



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

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AUG 02 2006
Protection Division (3AP12)

July 21, 2006

Dr. Roger C. Westman
Department of Air Quality
Bureau of Air Pollution Control
301 Thirty-Ninth Street
Pittsburgh, PA 15201

U.S. Environmental Protection Agency
Region III
Air, Radiation & Toxics Division
1650 Arch Street
Philadelphia, PA 191003-2029
ATTN: James W. Hagedorn

Assistant Council
Department of Environmental Protection
Southwest Region
400 Waterfront Drive
Pittsburgh, PA 15222-4745
ATTN: Steve Hepler

Department of Justice
Environmental and Natural Resource Division
Environmental Enforcement Section
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044
ATTN: David Street, Esq.

Subject: USS Reference Number: 06-0247
ACHD Reference Number: N/A
#1 Control Room; ALL Battery Igniter Flares
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the incident. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

Anton Lukac
Plant Manager
Clairton Works

NOTICE OF BREAKDOWN OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. **USS Reference Number:** 06-0247
ACHD Reference Number: N/A
2. **Date & Time of Breakdown:** Date: 07/18/06 Time: 0105 hours
3. **Company Name:** U.S. Steel Corporation - USS Clairton Works
4. **Specific Equipment Involved or Affected:** #1 Control Room; ALL Battery Igniter Flares
5. **BAPC Permit Number (if applicable):**
6. **Location:** Clairton, PA
7. **Nature and cause of breakdown:** A blown fuse for a potential transformer caused three axi compressors to respond to an under power situation and trip off line. As a result, coke oven gas suction pressure dropped and coke oven gas flared on 9 batteries.
- 8.

Date	Battery	Start Time	End Time	Duration		Flared Yes No	
				Min.	Sec.		
7/18/06	1	01:05	01:35	30	00	Yes	
7/18/06	2	01:05	01:35	30	00	Yes	
7/18/06	7	01:05	01:35	30	00	Yes	
7/18/06	8	01:05	01:35	30	00	Yes	
7/18/06	9	01:05	01:35	30	00	Yes	
7/18/06	13	01:05	01:35	30	00	Yes	
7/18/06	14	01:05	01:35	30	00	Yes	
7/18/06	19	01:05	01:35	30	00	Yes	
7/18/06	B	01:05	01:35	30	00	Yes	

8. **Identification of Emissions:**
 - A. **Type(s) (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)**
Released products of combustion of Coke Oven Gas. This may have also caused increased emissions from battery emission points; doors, lids, offtakes, charging, & stacks.
 - B. **Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality).** SO₂ is and VOC could be an eye, nose, and throat irritant.

C. Amount of each type emitted (or likely to be emitted).

Chemical	Quantity Released (lbs)
CO	157
NO _x	29
SO ₂	800
VOC	22

9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).
The axi compressors were brought on line.

10. Facility back in operation - Date: 07/18/06 Time: 0150 hours

Signature Coleen M. Davis Date 7-21-06
Coleen M. Davis
Senior Environmental Control Engineer Phone: 233-1015